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AMSAT NEWS SERVICE
ANS-227

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to: ans-editor(a)amsat.org

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see: https://mailman.amsat.org/postorius/lists/ans.amsat.org/

In this edition:

* Call For Papers For The 39Th AMSAT Space Symposium (Repost)
* IARU Coordinates Two New Satellites
* AMSAT at the Northeast HamXposition - Call for Volunteers
* MIR-SAT 1 Reaches STEM Objective
* FT4 via the AO-73 CubeSat Demonstration Video
* Weekly Changes for Keplerian Elements/TLE's
* ARISS News
* Upcoming Satellite Operations
* Hamfests, Conventions, Maker Faires, and Other Events
* Satellite Shorts From All Over

ANS-227 AMSAT News Service Weekly Bulletins

To: All RADIO AMATEURS
From: Radio Amateur Satellite Corporation
712 H Street NE, Suite 1653
Washington, DC 20002

DATE 2021 Aug 15

Call For Papers For The 39Th AMSAT Space Symposium (Repost)

This is a call for papers for the 39th AMSAT Space Symposium to be held on the weekend of October 29-31, 2021 at the Crowne Plaza AiRE hotel in Bloomington, Minnesota.

Proposals for symposium presentations are invited on any topic of interest to the amateur satellite community. We request a tentative title of your presentation as soon as possible, with final copy submitted by October 18 for inclusion in the symposium proceedings. Abstracts and papers should be sent to Dan Schultz, N8FGV at n8fgv(a)amsat.org

[ANS thanks Dan Schultz N8FGV, Symposium Program Chair, for the above information]

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https://www.amsat.org/join-the-amsat-presidents-club/
You won't want to miss it!
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- JH4XSY
- OM7AAK
- FSGSSS (The first 3B8 school to obtain the Award, Forestside State Secondary School (Girls)
- 3B8FV
- LZ1NY
- PMLMB (The second 3B8 School to obtain the Award, Polytecnics Mauritius Ltd. Montagne Blanche)

Prof. Hassan Rafa State Secondary School of Terre Rouge were the second school to receive and decode the signals from MIR-SAT 1 but unfortunately without a permanent internet connection they did not upload the telemetry to SatNOGS thus not eligible for the Award, hopefully they will get it soon.

Congratulations to the winners and thanks to them for providing TLM of MIR-SAT 1 to MARS through SatNOGS.

Note that MIR-SAT 1 is still in safe mode and under testing. MARS will advise when it will be available to Amateur use ASAP.

[ANS thanks Jean Marc Momple, 3B8DU for the above information]

FT4 via the AO-73 CubeSat Demonstration Video

Sweden’s AMSAT-SM has released a short video showing communications via the amateur radio satellite AO-73 (FunCube-1) using the popular digital mode FT4. This is a short video of FT-4 communication via satellite AO-73 with SDR-Console V3.1 and Icom IC-705. It is a part of a guide that will be published later on AMSAT-SM web https://www.amsat.se/

In the first part you will see the first screen with SDR-Console with Airspy Mini as receiver, audio is piped to WSJT-X. You will also see SDR-Console handle the TX Doppler correction for the IC-705 via “External radio”.

In the second part you will see the second screen with WSJT-X connected to IC-705. The output was only one (1) to two (2) watts! You can see that WSJT-X is reading the Doppler corrected frequency. You will also see SDR-Console satellite tracking and PstRotator controlling the SPID RAS rotor. For more information see https://amsat-uk.org/.

[ANS thanks AMSAT-UK for the above information]

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ARISS NEWS

Amateurs and others around the world may listen in on contacts between amateurs operating in schools and allowing students to interact with astronauts and cosmonauts aboard the International Space Station. The downlink frequency on which to listen is 145.800 MHz worldwide.

Next mode change is expected to take place in late August 2021.

The latest information on the operation mode can be found at
https://www.ariss.org/current-status-of-iss-stations.html

The latest list of frequencies in use can be found at https://www.ariss.org/contact-the-iss.html

[ANS thanks Charlie Sufana, AJ9N, one of the ARISS operation team mentors for the above information]

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2021 HamXposition
September the 11-12, 2021
Best Western Royal Plaza Hotel & Trade Center
Marlborough, Massachusetts

[ANS thanks Paul Overn, KE0PBR, AMSAT Events page manager, for the above information]

Satellite Shorts From All Over

+ AMSAT-DL will hold its Satellite Symposium and General Assembly 2021 on August 28 in Bochum. As it currently stands, this will be a face-to-face event. More information at tinyurl.com/ANS-227-AMSAT-DL.

+ A student of ARISS educator Joanne Michael won an AIAA Kahn $10,000 scholarship. Joanne taught him hands-on science in kindergarten through fifth grade at Meadows Elementary in the Manhattan Beach Unified School District. The young man is now enrolled at Stanford University. He wrote, “I love finding out the mechanics of any device and gaining knowledge by hands-on experience. I cannot stand not knowing what lies beyond our reach in the universe. My goal is to take part in the Mars colonization plans as an engineer astronaut and help advance the astronautical-engineering world.”

+ Cubesat has announced next year's CubeSat Developers Workshop on April 26–28, 2022. Mark your calendar and get more information at www.cubesatdw.org/.

+ From 12 to 20 July 2021, ESA Academy’s Training and Learning Program teamed up with ESA experts in the field of Space Systems Engineering to run the second edition of the Space Systems Engineering Training Course . The goal was to offer university students an overview of the different aspects of Space Systems Engineering while also affording them the opportunity to gain hands-on experience through group exercises. Held fully online due to the ongoing COVID-19 pandemic, in (virtual) attendance were 30 university students from 11 different ESA Member States and Canada. More information at tinyurl.com/ANS-227-ESA.

+ The newly released SDR++ V1.0.0 software is featured on the YouTube SignalsEverywhere channel. SDR++ is an open source, cross platform, C++ based GUI general receiver program for various SDR's including the RTL-SDR. The video shows it's basic usage in action and highlights many of the features that SDR++ has. The producer notes that she is very impressed with SDR++, praising it as one of the best SDR applications released in a while. More information at tinyurl.com/ANS-227-SDR.

Join AMSAT today at https://launch.amsat.org/

In addition to regular membership, AMSAT offers membership to:

* Societies (a recognized group, clubs or organization).
* Primary and secondary school students are eligible for membership at one-half the standard yearly rate.
* Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status.
* Memberships are available for annual and lifetime terms.

Contact info [at] amsat.org for additional membership information.

73 and remember to help Keep Amateur Radio in Space!

This week's ANS Editor, Frank Karnauskas, N1UW
n1uw at amsat dot org